**Sher-e-Kashmir**

**University of Agricultural Sciences & Technology of Jammu**

**Division of Agricultural Extension Education, FOA, Main Campus, Chatha, Jammu**

Title of the Thesis : **Adoption of Recommended Litchi CultivationPractices in Jammu Region**

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**ABSTRACT**

The present study entitled **“Adoption of Recommended Litchi Cultivation Practices in Jammu Region”** was conducted in Jammu &Kathua Districts. Purposively non-random Sampling technique was employed to draw a sample of 99 litchi growing farmers. Semi-structured interview schedule was used for collection of the primary data. The results revealed that majority of the litchi farmers were 12th pass out with average litchi farming experience of 13 years. The average operational size of land holding of litchi farmers in Kathua was 1.507 ha and in Jammu it was 1.037 ha. Majority (64 per cent) of the farmers had marginal land holding. Canal was the main source of irrigation for litchi farmers (80 per cent). Majority (59 per cent) of the respondents had agriculture as their main occupation. Department of Horticulture was observed the main source of information for 100 per cent of litchi farmers followed by KrishiVigyan Kendra (77 per cent). Majority (98 per cent) of the respondents adopted recommended variety Dehradun of litchi and 69 per cent of the respondents adopted recommended variety Calcuttia. Majority of the respondents (85 per cent) were applying urea, (75 per cent) of the litchi growers were applying DAP & (66 per cent) of the litchi farmers were in practice of applying MOP respectively. Majority of the respondents (22 per cent) were applying insecticides & (18 per cent) of the farmers were applying fungicides in litchi cultivation. Cost Benefit ratio of litchi cultivation is highest in Kathua district i.e., (1:3.86) followed by Jammu district i.e., (1:3.83). The major constraints faced by the litchi farmers were highly perishable nature of fruit, unavailability of quality plant material & damage of fruit by birds.

**Keywords:** Litchi, adoption, productivity, constraints

**Signature of Major Advisor Signature of the student**